

BIBLIOGRAPHICAL RECORD.

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Corrections of errors and notices of omissions are solicited.

Abbe, E. P. Experiments with foul brood. (Amer. bee journ., 1879, v. 15, p. 450.)
A method of cure is described. A. J. C. (1519)

Bees do not eat grapes. (Amer. bee journ., 1879, v. 15, p. 26.)

The testimony of several persons who have kept bees and raised grapes side by side for years. A. J. C. (1520)

[**Bees**, management of.] Water, given to bees in confinement, makes them able to endure it much longer. (Amer. bee journ., 1879, v. 15, p. 340.)

The water is put in small bottles, or vials. A wick passes from within, through a small hole in the cork. The bees sip water from the wick. A. J. C. (1521)

Benton, Frank. The next progressive step. (Amer. bee journ., 1879, v. 15, p. 507.)

The history, characteristics, and superiority of the Cyprian bees are given. A. J. C. (1522)

Benton, Frank. Races of bees. (Amer. bee journ., v. 15, p. 73.)

Ten different races or varieties and several species are described. A. J. C. (1523)

[**Books** injured by insects.] (Lib. journ., Jul.-Aug. 1879, v. 4, p. 292.)

Discussion, by H. A. Hagen, W. Flint, I. P. Langworthy and S. H. Scudder, upon Hagen's "Insect pests in libraries" (l. c., p. 251-254) [PSYCHE, Rec., no. 1529].

B. P. M. (1524)

Cat's lively experience with bees (A). ("Virginia city [Nev.] enterprise," . . .) (Springfield [Mass.] d. republican, 14 Oct. 1879, p. 8, col. 4, 11 cm.)

A cat disturbs a hive of *apis*. G. D. (1525)

Fawcett, Edgar. Fireflies. (Atlantic monthly, July 1877, v. 40, p. 84-85.)

In verse. G. D. (1526)

Flint, Weston. The croton bug as a library pest. (Lib. journ., Sept.-Oct. 1879, v. 4, p. 376-377, 25 cm.)

Notice. (Academy, 6 Dec. 1879, p. 409, col. 1, 3 cm.)

Blatta germanica and *b. orientalis* injure bindings of books. *Pyrethrum* as a remedy. Quotes a letter by C. V. Riley on the subject. G. D. (1527)

Fry, E. On the utility to flowers of their beauty. (Contemporary rev., Dec. 1879, p. 574-587.)

On fertilization of flowers and its dependence on their beauty as an attraction to insects. "I see in nature both utility and beauty; but I am not convinced that the one is solely dependent on the other." G. D. (1528)

Hagen, Hermann August. Insect pests in libraries. (Lib. journ., Jul.-Aug. 1879, v. 4, p. 251-254.) (Bost. morn. journ., 3 July 1879, 49 cm.)

Extract. (Bost. d. advertiser, 3 July 1879, no. 22107, v. 133, no. 158, p. 4, col. 2, 18 cm.)

Review, [by J. O. Westwood,] entitled "Insects in the library." (Gardener's chronicle, 13 Sept. 1879, v. 12, no. 298, p. 340, col. 1-2, 31 cm.)

Abstract, entitled "The insect enemies of books." (Journ. applied sci., Oct. 1879, v. 10, p. 152, 20 cm.)

Injuries to books by *anobium*, *dermestes*, *termes*, *ptinus fur*, and *blatta*. Means of preventing insect-injuries in libraries. G. D.

History of observations on the subject. This paper is discussed, l. c., p. 292. For the citation of works, see the author's "Literature concerning injuries to books by insects," (l. c., p. 373-374) [PSYCHE, Rec., no. 1530].

B. P. M. (1529)

Hagen, Hermann August. Literature concerning injuries to books by insects. (Lib. journ., Sept.-Oct. 1879, v. 4, p. 373-374.)

Accompaniment to the author's "Insect pests in libraries" (l. c., p. 251-254) [PSYCHE, Rec., no. 1529]. Gives the titles of 18 works (from 1724 to 1876) with analysis of their contents. B. P. M. (1530)

Hasbrouck, J. Fertilization [of queen bees] in confinement. (Amer. bee journ., 1879, v. 15, p. 518.)

The writer says he accomplishes this in a barrel, in one end of which is an opening covered with glass.

A. J. C. (1531)

Hollis, W. Ainslie. Insect galls buds. (Nature, 29 May 1879, v. 20, p. 95, 7 cm.)

Combats a statement, made in A. S. Wilson's "Insect galls buds" (Nature, 15 May 1879, v. 20, p. 55) [PSYCHE, Rec. no. 1534], that "all insect-galls are in reality leaf-buds, or fruit-buds." G. D. (1532)

Insect enemies of books (The). (Journ. applied sci., Oct. 1879, v. 10, p. 152, 20 cm.)

Abstract of H. A. Hagen's "Insect pests in libraries" (Lib. journ., Jul.-Aug. 1879, v. 4, p. 251-254) [PSYCHE, Rec., no. 1529]. G. D. (1533)

Jeffrey, H. L. Experiments with eggs and larvae of bees. (Amer. bee journ., 1879, v. 15, p. 443.)

It is shown that exposing the eggs to a low temperature retards development of the embryo and larva.

A. J. C. (1534)

Kedzie, Robert F. The composition of honey. (Amer. bee journ., 1879, v. 15, p. 409.)

A. J. C. (1535)

M., H. B. Curious facts concerning the cochineal insect in the Canary Islands. (Sci. amer., 22 Nov. 1879, v. 4, p. 325, col. 1, 29 cm.)

Reprint, entitled "The cochineal insect." (Journ. applied sci., Jan. 1880, v. 11, p. 11, 27 cm.)

Mode of obtaining the eggs and rearing *Coccus* as practised in the Canary Islands. *G: D.* (1536)

Michard, A. [Swarming of butterflies, probably *liparis salicis*, at Montluçon, France.] (Feuilles des jeunes naturalistes, Jan. 1880, p. 39.)

G: D. (1537)

Mivart, St. G. The forms and colours of living creatures. (Contemporary rev., Oct. 1879, p. 313-333.)

General; contains brief allusions to insect-coloration and luminosity. *G: D.* (1538)

[**Mosquito** helps to herd cattle by causing them to congregate and be more docile.] (Springfield [Mass.] d. republican, 29 Aug. 1879, p. 8, col. 1, 3 cm.)

G: D. (1539)

New insect pest (A). (Springfield [Mass.] d. republican, 9 July 1878, p. 4, col. 3, 15 cm.)

Brief account of *anthrenus scrophulariae*, its distribution in America, and the means used against it. *G: D.* (1540)

Noel, Paul. Chasse aux lépidoptères nocturnes. (Feuille des jeunes naturalistes, 1 Dec. 1879, p. 26.)

The author burns short pieces of magnesium tape, from time to time, near a lighted lantern, suspended about 1.5 metres from the ground. The insects are attracted from a distance by the bright light of the magnesium, and remain about the lantern. *G: D.* (1541)

Piatt, J. James. The moth. (Atlantic monthly, Aug. 1874, v. 34, p. 167.)

Four lines in verse.

G: D. (1542)

Riley, C. Valentine, see FLINT, Weston, The croton bug as a library pest [PSYCHE, Rec., no. 1527].

Root, A. I. The A B C of bee culture: a cyclopedia of every thing pertaining to the honey bee: bees, honey, hives, implements, honey plants, &c., &c.: compiled from facts gleaned from the experience of thousands of bee-keepers all over our land, and afterward verified by practical work in our own apiary. Medina, Ohio, A. I. Root, 1879, 265 p. il., cl. \$1.25.

The author is editor of one of the leading U. S. apicultural journals, an extensive manufacturer and dealer in apiarian implements, a cultivator of bee-plants, and a practical apiarist, of large experience. The book is in form of a dictionary. *A. J. C.* (1543)

Sandal wood. (Sci. amer., 16 Aug. 1879, v. 41, p. 97, col. 1-2, 34 cm.) (New remedies, Oct. 1879, v. 8, p. 300-301, 43 cm.)

Notes that, in India, according to Dr. Berthold Seemans, "After felling the trees [*santalum*] the bark is removed at once, the trunks are cut into billets two feet [60 cm.] in length, and these are buried in dry ground for about two months, during which time the white ants [*termes*] eat away all the outer wood without touching the heart." *G: D.* (1544)

Saunders, W. [Portrait, full page.] (New remedies, Oct. 1877, v. 6, no. 10.)

G: D. (1545)

Siewers, C. Godfrey. White satin and black lined leaf-roller. (Valley naturalist, 1878, v. 1, p. 6.)

Conchilodes platnalis, and perhaps all *tortricidae*, are jumpers. *B: P. M.* (1546)

Thiriat, Xavier. Phosphorescence des scolopendres [*scolopendra electrica*]. (Feuille des jeunes naturalistes, Dec. 1879, p. 26.)

G: D. (1547)

Treat, Mary. Notes on the slave-making ant. (Amer. nat., Nov. 1879, v. 13, p. 707-708.)

Battles between *formica sanguinea* and *f. fusca*. *F. sanguinea* also attacks *f. schauinslandi* and two species of *aphaenogaster*, but never attacks *camponotus melleus* and *polyergus lucidus*. *G: D.* (1548)

Trelease, W. The fertilization of our native species of *Clitoria* and *centrosema*. (Amer. nat., Nov. 1879, v. 13, p. 688-692, 8 fig.)

Mentions a few insects.

G: D. (1549)

[**Wasps'** nests ignited by spontaneous combustion.] (Lebanon [Ill.] journal, 1 Nov. 1878, 7 cm.) (Psyche advertiser, Sept.-Dec. 1878, p. 8.)

G: D. (1550)

[**Westwood, J. Obadiah.**] Insects in the library. (Gardener's chronicle, 13 Sept. 1879, v. 12, no. 298, p. 340, col. 1-2, 31 cm.)

Rev. of H. A. Hagen's "Insect pests in libraries" (Lib. jour., 1879, v. 4, p. 251-254) [PSYCHE, Rec., no. 1529], made before the receipt of Hagen's supplementary paper entitled, "Literature concerning injuries to books by insects" (l. c., p. 373-374) [PSYCHE, Rec., no. 1530], and noticing several insects, publications, and remedies not mentioned by Hagen. *B: P. M.* (1551)

Whistling tree (The). (Colonies and India, 7 Feb. 1880, p. 11, 9 cm.)

Cup-shaped galls or secretions of some insect upon a species of acacia tree, in Nubia and Soudan, cause, according to Dr. Schweinfurth, a whistling as the wind passes through the tree. *G: D.* (1552)

Willard, W. J. Bees eaten by shrew, *sorex*. (Amer. bee journ., 1879, v. 15, p. 161.)

Does serious damage to bees if they are left on their summer stands in winter. *A. J. C.* (1553)

Wilson, A. Stephen. Insect galls buds. (Nature, 15 May 1879, v. 20, p. 55, 16 cm.)

Crit. rev., by W. A. Hollis. (Nature, 29 May 1879, v. 20, p. 95, 7 cm.)

"All insect-galls are in reality leaf-buds, or fruit-buds. They are not mere amorphous excrescences." *G: D.* (1554)

NECROLOGY FOR 1879.

Haag, Georg. [Biog. note.] (Zool. Anzeiger, 9 Feb. 1880, Jahrg. 3, p. 72.)

Dr. Haag was b. 10 Oct. 1830 at Frankfort-on-the-Main, where he died 20 Nov. 1879. Better known to entomologists as Dr. Haag-Ruthenberg, Ruthenberg being the maiden name of his wife. *G: D.* (1555)